



ORGANIC ANALYSIS REPORT

Client: Zeigler Chemical & Mineral Co.
Collected: November 12, 2003
Received: November 13, 2003

Contact: Stan Wagner
Analyzed: November 19, 2003
Extracted: November 18, 2003

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Analysis Requested: Semi Volatiles by SW 8270C

Lab Sample ID: L57852-01A

Field Sample ID: Fly Ash

Site ID: Cowboy Rec. / Outflow 002-A

Analytical Results for TCLP [CLP Semivolatile Organics by 8270C/3510C

Units = µg/L

463 West 3600 South
Salt Lake City, Utah
84115

Compound

Reporting Limit

Analytical Result

Surr: 2,4,6-Tribromophenol	17-138	60.0 %
Surr: 2-Fluorobiphenyl	10-83	31.3 %
Surr: 2-Fluorophenol	10-58	18.8 %
Surr: 4-Terphenyl-d14	10-125	81.7 %
Surr: Nitrobenzene-d5	10-86	30.3 %
Surr: Phenol-d6	10-48	12.4 %
3 & 4-Methylphenol	25	< 25
2-Methylphenol	25	< 25
2,4-Dinitrotoluene	25	< 25
Hexachlorobenzene	25	< 25
Hexachlorobutadiene	25	< 25
Hexachloroethane	25	< 25
Nitrobenzene	25	< 25
Pentachlorophenol	25	< 25
Pyridine	25	< 25
2,4,5-Trichlorophenol	25	< 25
2,4,6-Trichlorophenol	25	< 25

(801) 263-8686
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mail: awal@awal-Labs.com

Kyle F. Gross
Laboratory Director

Peggy McNicol
QA Officer

Client provided water to be used as the TCLP fluid.
Sample was received in incorrect container.

Released by:

Laboratory Supervisor

Report Date:

November 20, 2003

Page 3 of 3

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INORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Zeigler Chemical & Mineral Co.
Date Sampled: November 12, 2003
Project: Cowboy Rec. / Outflow 002-A

Contact: Stan Wagner
Date Received: November 13, 2003

Lab Sample ID:
L57852-01

Field Sample ID:
Fly Ash

463 West 3600 South
Salt Lake City, Utah
84115

<u>Analytical Results</u>	<u>Units</u>	<u>Date Analyzed</u>	<u>Method Used</u>	<u>Reporting Limit</u>	<u>Analytical Result</u>
Flashpoint	°F	11/17/03	1010	200	>200
pH	pH Units	11/13/03 5:15 pm	9045C	0	10.90 *
Reactive Cyanide	mg/kg	11/18/03	SEC 8.3	50	< 50
Reactive Sulfide	mg/kg	11/18/03	SEC. 8.3	100	110

* The sample pH was measured in water at 25 degrees Celcius

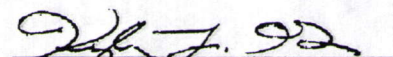
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Laboratory Director

Peggy McNicol
QA Officer

*pH is based on
1:1 Fly Ash/DI water*

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TCLP METALS Method 1311

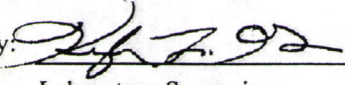
Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result
Arsenic	mg/L	11/20/2003 1:04:32 PM	6010B	2.0	< 2.0
Barium	mg/L	11/20/2003 1:04:32 PM	6010B	0.050	0.64
Cadmium	mg/L	11/20/2003 1:04:32 PM	6010B	0.030	< 0.030
Chromium	mg/L	11/20/2003 1:04:32 PM	6010B	0.050	0.077
Lead	mg/L	11/20/2003 1:04:32 PM	6010B	0.10	< 0.10
Mercury	mg/L	11/20/2003 9:06:58 AM	7470A	0.050	< 0.050
Selenium	mg/L	11/20/2003 1:04:32 PM	6010B	0.50	< 0.50
Silver	mg/L	11/20/2003 1:04:32 PM	6010B	0.10	< 0.10

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